

# The snowball effect in aortic valve disease

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## Stellingen behorend bij het proefschrift

# The snowball effect in aortic valve disease Gaining insight in imaging, circulating and tissue biomarkers towards a halt in disease progression

**Frederique Elisabeth Corline Maria Peeters**

**18 april 2019**

1. De ontwikkeling en progressie van aortaklepstenose wordt gereguleerd door interactie van complexe pathofysiologische processen. Niet alleen progressie van aortaklepstenose, maar ook de eerste ontwikkeling van de ziekte wordt gedreven door verkalking. *(dit proefschrift)*
2. Het vitamine-K afhankelijke matrix Gla proteïne is aanwezig in regio's waar verkalking zit, maar ook waar het zich gaat ontwikkelen. *(dit proefschrift)*
3. Vitamine K2 kan bij aortaklepstenose bijdragen aan remming van de verkalking van de klep. *(dit proefschrift)*
4. In tegenstelling tot NOACs dragen vitamine K antagonist bij aan verkalking. *(dit proefschrift)*
5. Increasing knowledge of processes involved in aortic valve stenosis progression will help to develop a personalized and more effective approach to treatment. *(valorization)*
6. Statins, a double-edged vascular sword: inhibiting inflammatory responses but increasing calcification. *(JACC cardiovascular imaging. Double face of statins at the crossroad of coronary atherosclerotic plaque and aortic valve calcification? December 2018)*
7. Naast vitamine K antagonist dragen ook geactiveerde bloedplaatjes bij aan de progressie van aortaklep verkalking, wat aangeeft dat de functie van de hemostase breder is dan alleen bloedingsstelping *(Eur Heart J. Activated platelets promote an osteogenic programme and the progression of calcific aortic valve stenosis. November 2018)*
8. Alle protocollen ten spijt, het belangrijkste blijft de individuele zorgverlener die scherp blijft. *Guy Peeters*
9. The greatest glory in living is not in falling, but in rising every time we fall. *Nelson Mandela*
10. In order to be irreplaceable one must always be different. *Coco Chanel*
11. Physical fitness is not only one of the most important keys to a healthy body; it is the basis of dynamic and creative intellectual activity. *John F. Kennedy*